

TIER CLASSIFICATION (310 CMR 40.0510)

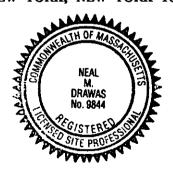
ATF DAVIDSON 1 MAIN STREET WHITINSVILLE, MASSACHUSETTS

RTN 2-0111

MARCH 1997

PREPARED BY

NEAL M. DRAWAS, LSP KROLL ASSOCIATES, INC. 900 THIRD AVENUE NEW YORK, NEW YORK 10022





Massachusetts Department of Environmental Protection

Bureau of Waste Site Cleanup

BWSC-107A

TIER CLASSIFICATION, TIER II EXTENSION & TIER II TRANSFER TRANSMITTAL FORM

Pursuant to 310 CMR 40.0510 and 40.0560 (Subpart E)

Release Tracking Number

2	-	0000111
		OCCUTIT

A. DISPOSAL SITE LOCATION:				
Disposal Site Name: ATF Davidson				
Street: 355 Main Street	Location Aid: opposite Ardade Pord			
City/Town: Northbridge	ZIP Code: 01588			
Related Release Tracking Numbers That This Submittal W	/ill Address:			
B. THIS FORM IS BEING USED TO: (check all f	that apply)			
Submit a new or revised Tier Classification Submit (complete Sections A, B, C, I, J, K and L).	tal for a Tier I Site, including a Numerical Ranking Scoresheet-NTRAL-REGION			
Submit a new or revised Tier Classification Submit (complete Sections A, B, C, F, G, I, J, K and L).	tal for a Tier II Site, including a Numerical Ranking Scoresheet			
Submit a Notice that an additional Release Tracking required at this time (complete Sections A, B, J, K and Transmittal Form (BWSC-109).	ng Number(s) is (are) being linked to this Tier Classified Site and rescoring is not d L). If this submittal is for a Tier I Site, you must also submit a Minor Permit Modification			
List Additional Release Tracking Number(s):				
X Submit a Phase I Completion Statement supporting	ng a Tier Classification Submittal (complete Sections A, B, I, J, K and L).			
Submit a Tier II Extension Submittal for Response	Actions at a Tier II Site (complete Sections A, B, D, F, G, I, J, K and L).			
Submit a Tier II Extension Submittal for Response (complete Sections A, B, D, F, J, K and L, and also c	e Actions taken after expiration of a Waiver, pursuant to 310 CMR 40.0630(4) omplete Sections G and I <i>or</i> Section H).*			
Submit a Tier II Transfer Submittal for a change in (complete Sections A, B, E, F, G, I, J, K, L, M, N and	person(s) undertaking Response Actions at a Tier II Site O).			
Submit a Tier II Transfer Submittal for a change in person(s) undertaking Response Actions at a Waiver Site, pursuant to 310 CMR 40.0630(6) (complete Sections A, B, E, F, J, K, L, M, N and O, and also complete Sections G and I or Section H).*				
You must attach all supporting documentation required for each use of form indicated, including copies of any Legal Notices and Notices to Public Officials required by 310 CMR 40.1400. *NOTE: The Waiver expires on the effective date of this submittal and all further Response Actions must be taken as a Tier II Site.				
C. TIER CLASSIFICATION SUBMITTAL:				
Numerical Ranking Score for Disposal Site: (from Numeric	cal Ranking Scoresheet)			
Proposed Tier Classification of Disposal Site: (check one)	Tier IA Tier IB Tier IC X Tier II			
Check which, if any, of the Tier I inclusionary criteria are m	et by the Disposal Site, pursuant to 310 CMR 40.0520:			
	Groundwater is located within an Interim Wellhead Protection Area or a Zone II, and there is evidence of groundwater contamination by an Oil or Hazardous Material at the time of Tier Classification at concentrations equal to or exceeding the applicable RCGW-1 Reportable Concentration set forth in 310 CMR 40.0360.			
An Imminent Hazard is present at the time of Ti	er Classification,			
Check here if this Tier Classification revises a previous submittal for this Disposal Site. You must include a revised Numerical Ranking Scoresheet with this submittal. If a Tier I Permit has been issued, you may also need to submit a Major Permit Modification Application (BWSC 10).				
If incorporating additional Release(s) into the Disposal Site, list Release Tracking Number(s):				
D. TIER II EXTENSION SUBMITTAL REQUIREMENTS:				
State the expiration date of the Tier II Classification or Wai	State the expiration date of the Tier II Classification or Waiver for the Disposal Site, whichever is applicable:			
Attach a statement summarizing why a Permanent or Temporary Solution has not been achieved at the Disposal Site. A Tier II Extension is effective for a period of one year beyond the current expiration date of the Tier II Classification or Waiver.				
E. TIER II TRANSFER SUBMITTAL REQUIREMENTS:				
State the proposed effective date of the change in person(s	s) undertaking Response Actions at the Disposal Site:			
Attach a statement summarizing the reasons for the proposed change in person(s) undertaking the Response Actions. All Response Actions must be completed by the deadline applicable to the person who first filed either a Tier Classification Submittal for the Disposal Site or received a Waiver of Approvals.				



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F. DISPOSAL SITE COMPLIANCE HIS	TORY SUMMARY:		
 If providing either a Tier Classification Sub Section J must provide a Compliance Histor If providing a Tier II Extension Submittal for effective date of the Tier II Classification. 	y. or a Tier Il Site, the person named i	n Section J must update their Con	npliance History since the
> If providing a Tier II Transfer Submittal for	·	·	•
	-		
Check here if there has been no change t	o the Compliance History of the pers	on named above (Extension Submi	nai for a Tier II Site ONLY).
List all permits or licenses that have been issue	ed by the Department that are releval	nt to this Disposal Site:	
PROGRAM:	PERMIT NUMBER:	PERMIT CATEGORY:	FACILITY ID:
Air Quâlity	***************************************		
Hazardous Waste (M.G.L. c. 21C)			
Solid Waste			
Industrial Wastewater Management	·		
Water Supply			
Water Pollution Control/Surface Water			
Water Pollution Control/Groundwater			
Water Pollution Control/Sewer Connection			
Wetland & Waterways	·		
List all other Federal, state or local permits, lice	enses, certifications, registrations, va	riances, or approvals that are releva	ant to this Disposal Site:
ISSUING AUTHORITY OR PROGRAM, O	R DOCUMENTATION TYPE:	IDENTIFICATION NUMBER:	DATE ISSUED:
Ti Ti	· · · · · · · · · · · · · · · · · · ·		
If needed, attach to this Transmittal Form a stathe compliance history of the person named at		liance History of this Disposal Site.	This statement must describe
(1) DEP regulations; and(2) other laws for the protection of health, sa	afety, public welfare and the environs	ment administered or enforced by ar	ny other government agency.
Such a statement should identify information s	uch as:		
 actions relevant to the Disposal Site take Noncompliance (NON), Notice of Intent an administrative enforcement order; administrative consent orders; judicial consent judgements; similar administrative actions taken by o civil or criminal actions relevant to the D any additional relevant information. 	to Assess Civil Administrative Penal ther Federal, state or local agencies	ty (PAN), Notice of Intent to Take R	esponse Action (NORA), and
For each action identified, provide the following	information:		
(1) name of the issuing authority, type of ac (2) description of noncompliance cited; (3) current status of the matter; and (4) final disposition, if any.	tion, identification number and date	ssued;	



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Pursuant to 310 CMR 40,0510 and 40,0560 (Subpart E)

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_	APPRICIA ATIANI	OF ABILITY AND WILLINGNESS:
•	CERTIFICATION	OF AMILITY AND WILLINGNESS:

If providing either a Tier II Classification Submittal or a Tier II Extension Submittal, the person who signs this certification MUST be the person named in Section J, or that person's agent.

If providing a Tier II Transfer Submittal, the person who signs this certification MUST be the person named in Section M, or that person's agent.

I attest under the pains and penalties of perjury that (i) I/the person(s) or entity(ies) on whose behalf this submittal is made has/have personally examined and am/is familiar with the requirements of M.G.L. c. 21E and 310 CMR 40.0000; (ii) based upon my inquiry of the/those Licensed Site Professional(s) employed or engaged to render Professional Services for the disposal site which is the subject of this Transmittal Form and of the person(s) or entity(les) on whose behalf this submittal is made, and my/that person's(s') or entity(les) understanding as to the estimated costs of necessary response actions, that/those person(s) or entity(ies) has/have the technical, financial and legal ability to proceed with response actions for such site in accordance with M.G.L. c. 21E, 310 CMR 40,0000 and other applicable requirements; and (iii) that I am fully authorized to make this attestation on behalf of the person(s) or entity(les) legally responsible for this submittal. If the person(s) or entity(les) on whose behalf this submittal is made is aware of the requirements in 310 CMR 40.0172 for notifying the Department in the event that I/the person(s) or entity(ies) on whose behalf this submittal is made learn(s) that it/they is/are unable to proceed with the necessary response actions. IIN BERBINE

By:	1	Title:	112/	- 14 U V 15 N	
	(signature)		[00]	الله: ٢	
For:		Date:	- 		_
	(print name of person or entity recorded in Section J or M, as appro	ppriate)	CE	DEP ENTRAL-REGION	
l	If you are submitting either a Tier II Extension Submittal	for a Waiver Site or a Tier	II Transfor Subi	mittal for a Waiver Oite	

you may choose to sign the alternative Ability and Willingness Certification found in Section H In place of providing the certification in Section G and the LSP Opinion in Section I.

ALTERNATIVE CERTIFICATION OF ABILITY AND WILLINGNESS:

- If providing a Tier II Extension Submittal for a Waiver Site, the person who signs this certification MUST be the person named in Section J. or that person's agent
- If providing a Tier II Transfer Submittal for a Waiver Site, the person who signs this certification MUST be the person named in Section M, or that person's agent.

I attest under the pains and penalties of perjury that (i) I/the person(s) or entity(les) on whose behalf this submittal is made has/have personally examined and anylis familiar with the requirements of M.G.L. c. 21E and 310 CMR 40.0000; (ii) based upon my inquiry of the Consultant-of-Record for the disposal site which is the subject of this Transmittal Form and of the person(s) or entity(ies) on whose behalf this submittal is made, and my/that person's(s') or entity's(ies') understanding as to the estimated costs of necessary response actions, that/those person(s) or entity(ies) has/have the technical, financial and legal ability to proceed with response actions for such site in accordance with M.G.L. c. 21E, 310 CMR 40.0000 and other applicable requirements; and (iii) that I am fully authorized to make this attestation on behalf of the person(s) or entity(les) legally responsible for this submittal. If the person(s) or entity(ies) on whose behalf this submittal is made is aware of the requirements in 310 CMR 40.0172 for notifying the Department in the event that I/the person(s) or entity(ies) on whose behalf this submittal is made learn(s) that it/they is/are unable to proceed with the

necessary response actions.	
By:	Title:
(signature)	
For:	Date:
(print name of person or entity recorded in Section J or M, as appropriate)	

I. LSP OPINION:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5), to the best of my knowledge, information and belief,

- > if Section B of this form indicates that a Tier I or Tier II Classification Submittal which relies upon a previously submitted Phase I Completion Statement is being submitted, this Tier Classification Submittal has been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;
- > if Section B of this form indicates that a Phase I Completion Statement or a Tier I or Tier II Classification Submittal which does not rely upon a previously submitted Phase I Completion Statement is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

SECTION I IS CONTINUED ON THE NEXT PAGE



(continued)

I. LSP OPINION:

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup

BWSC-107A

TIER CLASSIFICATION, TIER II EXTENSION & TIER II TRANSFER TRANSMITTAL FORM

Pursuant to 310 CMR 40.0510 and 40.0560 (Subpart E)

Release Tracking Number

2 -

0000111

is (are) the subject of this submittal (i) is (are) being imple	mented in accordance wit ourposes of such respons	Transfer Submittal is being submitted, the response action(s) that hat the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, a action(s) as set forth in the applicable provisions of M.G.L. c. 21E rs, permits, and approvals identified in this submittal.
I am aware that significant penalties may result, including, be false, inaccurate or materially incomplete.	but not limited to, possible	e fines and imprisonment, if I submit information which I know to
Check here if the Response Action(s) on which this issued by DEP or EPA. If the box is checked, you N	opinion is based, if any, ar IUST attach a statement i	e (were) subject to any order(s), permit(s) and/or approval(s) dentifying the applicable at the state of the
LSP Name: Neal m. Drawas	LSP#: 9844	Stamp:
Telephone: 508-443-1833	Ext.:	NEAL STATE
FAX: (optional) 508-443-1929		DRAWAS No. 9844
Signature: 2 2001 Para		SITE PROFESSION
Date: 1997		MANAGE
J. PERSON MAKING SUBMITTAL:		
Name of Organization: Arcade Realty Ti		
Name of Contact: Leonard Jolles		Title: Property Mgr.
Street: 1 Main Street	······································	-
City/Town: Whitinsville (No	orthbridge	State: MA ZIP Code: 01588
Telephone: 508-234-6301	Ext.:	FAX: (optional)
K. RELATIONSHIP TO DISPOSAL SITE OF PE	RSON MAKING SUB	MITTAL: (check one)
X RP or PRP Specify: Owner Operato	r 🔾 Generator 🔘 T	ransporter Other RP or PRP:
Fiduciary, Secured Lender or Municipality with Exem	pt Status (as defined by M	M.G.L. c. 21E, s. 2)
Agency or Public Utility on a Right of Way (as define	ed by M.G.L. c. 21E, s. 5(j))
Any Other Person Making Submittal Specify Relati	onship:	
CERTIFICATION OF PERSON MAKING SUE	BMITTAL:	
familiar with the information contained in this submittal, in of those individuals immediately responsible for obtaining knowledge and belief, true, accurate and complete, and (ii	cluding any and all docum the information, the mater ii) that I am fully authorized submittal is made am/is a	!
By: (closesture)	<u> </u>	Title: Property Mgr.
(signature) For: Arcade Realty Trust		Date:
(print name of person or entity recorded in Section J		
Enter address of the person providing certification(s), incl recorded in Section J:	uding Ability and Willingn	ess Certification where applicable, if different from address
Street: same		-
City/Town:		State: ZIP Code:
Telephone:	Ext.:	FAX: (optional)
YOU MUST COMPLETE ALL RELEVAN	T SECTIONS OF THIS	S FORM OR DEP MAY RETURN THE DOCUMENT AS

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL

NU

DISPOSAL SITE	SCORE
JMERICAL RANKING SYSTEM SCORESHEET (310 CMR 40.1511)	CENTRAL-REGION
Bureau of Waste Site Cleanup	12 1 7 199

CLASSIFICATION SUBMITTAL				
Initial Submittal	Re-Classification			
	X			

		DISPO	SAL SITE SCO	ORE	
II	щ	IA	v	VI	TOTAL
<u>20</u>	91	40	<u>65</u>	_0_	216

Disposal Site Tier Classification		1		11
Permit Category (Tier I Only)	A	В	С	

DISPOSAL SITE INFORMATION

DEP Release Tracking Number(s)	2-0000111
DEP Disposal Site Number(s)	2-0111

	N: 4,665,418
UTM Coordinates	E: 278,463

SR 4/3/97

Disposal Site Name	ATF Davidson	
Disposal Site Address	355 Main Street	
	City: Northbridge	Zip: 01588

Is the Disposal Site classified Tier I because it is located within the boundaries of a Zone II or Interim Wellhead Protection Area and groundwater concentrations equal or exceed RCGW-1 at the time of Tier Classification pursuant to 310 CMR 40.0520(2)(a)1.?	Yes	N₀ see ⊠Section VI
Is the Disposal Site classified Tier I because an Imminent Hazard is present at the time of Tier Classification pursuant to 310 CMR 40.0520(2)(a)2.?	Yes	No X

I attest under the pains and penalties of perjury that I have personally completed this Numerical Ranking System Scoresheet, and have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this submittal, and in my professional opinion and judgment based upon: (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5), to the best of my knowledge, information and belief, this Scoresheet was developed in accordance with the applicable provisions of M.G.L. c. 21 Earth 240,0000. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information

Licensed Site Professional Signature

9844

LSP Registration Number

Neal M. Drawas

LSP Name (Printed)

Kroll Env. Enter.,

Company Name

NEAL

M. Drawas

Arcade Realty Trust

Responsible Party, Potentially Responsible Party, or Other Person who will provide certification in accordance with 310 CMR 40.0009

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II. EXPOSURE PATHWAYS

EXPOSURE PATHWAYS								
Score a	ccording to 40.1512 - E	exposure Pathway Designatio	n Criteria					
DESIGNATION								
MEDIA	NONE or NOT APPLICABLE	EVIDENCE OF CONTAMINATION	POTENTIAL EXPOSURE PATHWAY	LIKELY OR CONFIRMED EXPOSURE PATHWAY				
A. SOIL (Includes Sediment)	0	15	100	150				
B. GROUNDWATER	0	20	100	150				
C. SURFACE WATER (Includes Wetlands)	o	20	100	150				
D. AIR	0	15	100	200				

Note: Score only the highest value for each media, i.e., score None or Not Applicable or Evidence of Contamination or Potential Exposure Pathway or Likely or Confirmed Exposure Pathway.

II. (A - D)	Summary Rationale for Section II A - D Values and Phase I Report References
Groundwat	er is designated as "Evidence of Contamination" based on the
presence	of Vinyl Chloride in two monitoring wells and one Geoprobe
location	at concentrations exceeding the RC. (Phase I Report,
Section V	, Table 5.1).
11 0	

II.E	OHM SOURCES			
Number of OHM Sources		1	. 2	≥ 3
		<u> </u>	25	50

SECTION II SCORE (A. + B. + C. + D. + E.)								
A	В	C	-D.:	= E ,===	TOTAL: (15 - 700)	utum di		
0		0	0	0	20			

						_
<u>. </u>		~ ·				_
1	heck he	ie Samion	VI has been used to amend the score for this Section of the NRS.			
7	-iiori iioi	C II DOCTION	VI has occit used to attend the scote for this Section of the 1983.	- (1 1	
1	ł			ŀ	_	
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	310 CMR: DEPARTMENT OF ENVIRONMENTAL PROTECTION 1 2 397								
0.1511 (Continued)	III. DISP	OSAL SITE CHARACTE		DEP NTRAL-REGI					
III.A.		OHM TOXICITY SCORE							
	From Table I	Highest OHM Toxicity Score II A. or Worksheet III A.I., on Foll	owing Pages.						
OHM Scored:	Toxicity Score (1 - 80) IM Scored: Barium								
Concentration and Media:	4 630 v=/3 in Convention								
III.B.		MULTIPLE OHMs							
More Than One OHM W	ith an OHM Toxicity Score of ≥ 30			No	Yes				
				<u> </u>	30				
III.C.		M MOBILITY and PERSISTEN							
	Score accords	ing to 40.1514 - OHM Mobility ar	d Persistence						
OHM Scored:	1,2-DCE			Sco	ne (0 - 50)				
	I, Z-DCE				50				
III.D.	<u> </u>	SPOSAL SITE HYDROGEOLO	GY						
	Score	according to 40.1515' - Soil Perm	eability						
рертн то	O GROUNDWATER		SOIL PERMEABI	LITY					
	(in feet)	Low	Medium		High				
	> 25	2	4		8				
	10.1 - 25	4	8		12				
	5.1 - 10	8	12		16				
	0 - 5	12	(16)		20				
	SEC	CTION III SCORE (A + B + C	+ D)						
25	. A								
=Check here-if-Section-VI	I has been used to amend the score for	or this Section of the NRS.		÷					

40.15 1 (Continued)

Table III.A.			онм тохісіт	Y SCORE			
ОНМ≈		co	NCENTRATION	(soil/sediment: µg/g;	surface/groundwater	pg/l)	
OHM.	≤ 99 -	100 - 999	1,000 - 9,999	10,000 - 100,000	> 100,000 NAPL < 0.5"	NAPL 0.5" - 12"	NAPL > 12"
Arsenic	20	30	4 €	50	60		
Benzene	15	25	35	45	55	65	75
lis(2-ethylhexyl)plithaluta	10	20	30	40	50	60	70
Cadmium	10	20	30	40	50		
Carbon Tetrachloride	20	30	40	50	60	70	80
Chlorobenzene	5	15	25	35	45	55	65
Chromium III	1	10	20	30	40		
Chromium VI	10	20	30	40	50		
Coal Tar	3	15	25	35	45	- 55	65
Cyanide	5	15	25	35	45		
1,1 Dichloroethane	10	20	30	40	.50	60	70
1,2 Dichloroethane	10	20 .	30	40	50	60	70
Ethylbenzene	S	15	25	35	45	55	65
Ethylene Dibromide	20	30	40	50	60	70	80
#2 Fuel Oll (rugis product)	5	15	25	35	45	- 55	65
Gasoline (virgin product)	10	20	30	40	50	60	70
Lead	20	30	40	50	- 60		
Mercury	20	30	40	50	60	70	80
Methylene Chloride	10	20	30	40	50	60	70
Methyl Ethyl Ketone	5	15	25	35	45	55	65
Methyl Tort Butyl Ether	10	20	30	40	50	60	70
Nickel	5_	15	25	35	45		
Phenol	1	10	20	30	40	50	- 60
PAHs	10	20	30	. 40	50	60	70
PCB:	20	30	40	50	60	70	80
Tetrachioroethylene	10	20	30	40	50	60	70
Toluene	1	10	20	30	40	50	60
1,1,1 Trichloroethane	5	15	25	35	45	55	65

Table III.A.	OHM TOXICITY SCORE								
,	CONCENTRATION (soil/sediment: pg/g; surface/groundwater pg/l)								
ОНМ	≤ 99	100 - 999	1,000 - 9,999	10,000 - 100,000	> 100,000 NAPL < 0.5"	NAPL 0.5" - 12"	NAPL > 12"		
Trichloroethylene	15	25	35	45	55	65	75		
Vinyl Chloride	15	25	35	45	55	65	75		
Xylenes		9	20	30	40	50	8		
Zinc	1	10	20	30	40				

40.1511 (Continued)

Use Worksheet III A.1. to determine the OHM Toxicity Score for OHM not listed in Table III A.

See 40.1513 for Human Health-Based Toxicity Values for each OHM.

Worksheet III.A.1		· · · · · · · · · · · · · · · · · · ·	онм тохісіт	SCORE			
HUMAN HEALTH-BASED		CONCENTRATION Use µg/g for Soil and µg/l for Surface Water and Groundwater					
TOXICITY VALUE	≤ 99	100 - 999	1,000 - 9,999	10,000 - 100,000	> 100,000 NAPL < 0.5"	NAPL 0.5" - 12"	NAPL > 12"
< 5	1	10	20	30	40	50	60
5 - 19	5	15	25	35	45	55	65
20 - 29	10	20	30	40	50	60	70
30 - 39	15	25	35	45	55	65	75
40 - 50	20	30	40	50	60	70	80

III.A.1.	OHM and Concentration	ss Used in Section III A.1.		
ОНМ	Human Health-Based Toxicity Value	Concentration (Soil - µg/g)	Concentration (Water - µg/l)	OHM Toxicity Score
PCE	25		93.3	10
TCE	30	·	31.4	15
cis 1,2-DCE	18		82.6	5
VCL	38		74.	15
Acetone	8		103.	15
1,2,3-TCB	25 D		7.	10
Barium	8	·	4,630.	25

D = Default Value of 25 (40.1513(3))

~ 40.1511 (Continued)

IV. HUMAN POPULATION AND LAND USES

IV.A.				
Residential Population	None	1 - 99	100 - 999	≥ 1,000
Within 1/2 Mile	0	5	10	15
Institutions Within 500 feet	None 0		One or M	More
On-Site Workers	None	1 - 99	100 - 999	≥ 1,000
	0 .	5	10	15

IV.B. AQUIFE	RS	
Sole Source Aquifer	No	Yes
Name:		25
Potentially Productive Aquifer	No	Medium or High
	0	15

IV.C.	WAT	TER USE			
Proximity of Disposal Site to Public Drinking Water Supply Source		Not Applicable (NA) see .		Zone A	Zone II, IWPA, or SW Intake ≤ 400'
		<u></u>	Section VI	on 20	50
Persons Served by Public Drinking Water Supply	NA	25 - 999	1,000 - 4,	999 5,000 - 49,999	≥ 50,000
	0	5	10	20	25
Private Water Supplies Within 500 Feet	1	None	Commer Industri		Drinking Food Processing
		<u></u>	10	15	25
Alternative Public Water Supply Available		Yes		N	o
(Viable Public Water Supply in Disposal Site Community and Public Water Connection ≤ 500 Feet from Site)		<u> </u>		. 2:	5

SECTION IV SCORE (A + B + C)					
A.	В.	C.	TOTAL: (0 - 205)		
20	0	20	40		

Check here if Section VI has been used to amend the score for this Section of the NRS.	
	([_]
!	,

40.1511 (Continued)

V. ECOLOGICAL POPULATION

V.A.	ENVIRONMENTAL RESOURCE A	REAS	
RESOURCE		LOCATION	
Area of Critical Environmental Concern	> 500° from Site	≤ 500' from Site	On-Site
	<u> </u>	20	30
Species of Special Concern, Threatened or Endangered Species Habitat	> 500' from Site	> 500' from Site On-Site or ≤ 500' from 1	
Wetlands, Certified Vernal Pool, or Outstanding Resource Water	> 100' from Site	≤ 100' from Site	On-Site
Fish Habitat	> 500° from Site	≤ 500° from Site	On-Site
Protected Open Space (Local/State/Federal/Trustee)	> 500' from Site	≤ 500° from Site	On-Site

SCORE SECTION V.B. ONLY IF SECTION V.A. SCORE IS ≥ 30.

V.B.	F	ENVIRONMENTAL TOXICITY SCORE Highest Environmental Toxicity Score from Table V.B. or Worksheet V.B.I. on Following Page	ges.
OHM Scored:	Acetone	/ Barium	Toxicity Score (1 - 35)
Concentration and Media:	103 ug/l i	n GW / 4,630 ug/l in GW	15
		SECTION V. SCORE (A. + B.)	· .
A.		B.	TOTAL: (0 - 185)
_	0	15	65

40.1511 (Continued)

Table V.B.	ENVIR	ONMENTAL TOXIC	CITY SCORE		
	Ci	ONCENTRATION (so	oil/sediment: µg/g; sur	face/groundwater µg/l)	
ОНМ	< 1	1 - 99	100 - 999	1,000 - 9,999	≥ 10,000
Arsenic	5	10	15	20	25
Benzene	0	1	5	10	15
Bis(Z-ethylhexyl)phthalate *	5	10	15	20	25
Cadmium	10	15	20	25	30
Carbon Tetrachloride	0	ı	5	10	15
Chlorobenzene •	5	10	15	20	25
Chromium III	l l	- 5	10	35	20
Chromium VI	5	. 10	15	20	25
Coal Tar	5	10	15	20	25
Cyanide	5	10	15	20	25
1,1 Dichlorgethane •	5	10	L5	20	25
1,2 Dichloroethane	0	1	5	10	15
Ethylhenzene	0	1	5	10	15
Ethylene Dibromide •	5	10	15	20	25
#2 Puet Oil (virgin preduct) *	1	5	10	15	2.0
Gasoline (virgin product) *	5	10	15	20	25
Lead	5	10	15	20	25
Mercury	15	20	25	30	35
Methylene Chiaride *	5	10	- 15	20	25
Methyl Ethyl Ketone *	5	10	15	20	25
Methyl Terl Butyl Ether *	1	5	10	15	20
Nickel	1	5	10	15	20
Phenol	0	1	\$	10	15
PAHs *	5	10	15	20	25
PCBs	ರ	20	25	30	35
Tetrachloroethylene	0	1	5	10	15
Toluene	0	1	5	10	15
1,1,1 Trichloroethane	0	1	5	10	15
Trichloroethylene	0	I .	5	10	15

Table V.B.	ENVIRONMENTAL TOXICITY SCORE					
	CONCENTRATION (soil/sediment: µg/g; surface/groundwater µg/l)					
ОНМ	<1	1 - 99	100 - 999	1,000 - 9,999	≥ 10,000	
Vinyl Chloride •	5	10	15	20	25	
Xylenes .	- 5	10	52	20	22	
Zinc	1	5	10	15	20	

[•] Scores derived by default methods 40.1516(2).

NON-TEXT PAGE

40.1511 (Continued)

Use Worksheet V.B.1. to determine Environmental Toxicity Scores for OHM not listed in Table V.B.

See 40.1516 for Environmental Toxicity Values for each OHM.

Worksheet V.B.1 ENVIRONMENTAL TOXICITY SCORE						
ENVIRONMENTAL TOXICTTY VALUE		N Water or Groundwater				
	< 1	1 - 99	100 - 999	1,000 - 9,900	≥ 10,000	
10	0	1	. 5	10	15	
20	1	5	10	15	20	
30	5 ,	10	15	20	25	
40	10	15	20	25	30	
50	15	20	25	30	35	

V.B.1. OHM and Concentrations Used in Section V.B.1.				
ОНМ	Environmental Toxicity Value	Concentration (Soil - µg/g)	Concentration (Water - µg/l)	Environmental Toxicity Score
PCE	10		93.3	1
TCE	10	<u> </u>	31.4	1
cis 1,2-DCE	10	,	.82.6	1
VCL			74.	10
Acetone	30 D		103.	15
1.2.3-TCB	30 D		7.	10
Barium	20 D	· ·	4,630.	15
		· .		
		· · · · · · · · · · · · · · · · · · ·		
				<u> </u>

D = Default Value (40.1516(2))

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40.1511 (Continued)

VI. MITIGATING DISPOSAL SITE-SPECIFIC CONDITIONS

VI. MITIGATING DISPOSAL SITE-SPECIFIC CONDITIONS					
Disposal site-specific conditions that warrant amending the site score. Changes directly related to NRS Sections or Subsection scores may not reduce the score more than the relevant subsection value assigned for the disposal site in that subsection. Section VI must reference specific pages of the Phase I. Section VI may not exceed ± 50 Points and may be scored only in 5-point increments. Attach additional pages as necessary.					
The DEP GIS Map for this Site incorrectly identifies a portion of the					
Site as being within the downgradient portion of an Interim Wellhead					
Protection Area. Based on an interview with the Operations Manager of					
Whitinsville Water Company and on plans by their consultant (Whitman &					
Howard), a Defined Zone II boundary has been established for the					
Whitin Pond Wellfield and the gravel-packed well on the south end of					
Whitins Pond. The Zone II Delineation Plans are included in the					
Phase I Report.					
The entire Site is outside of and downgradient of the Zone II Boundry.					
This Site has been scored on that basis.					
}					
···					
Disposal Site Score Amendment (Not to Exceed ± 50 Points)	Score				
Disposal one Seal e Amenament (1900 to Exceed 1 SV Foliats)					